

FIG. 1

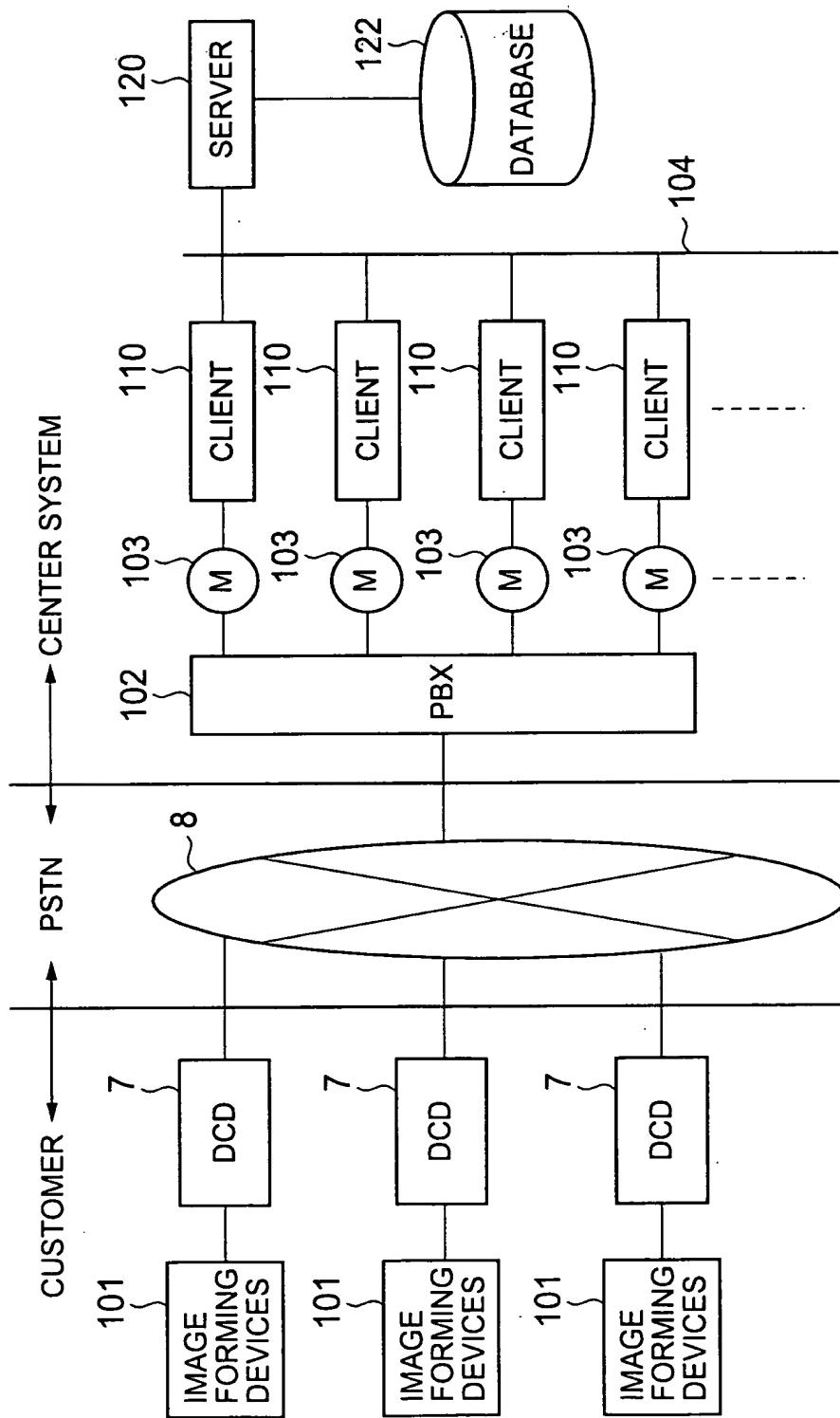
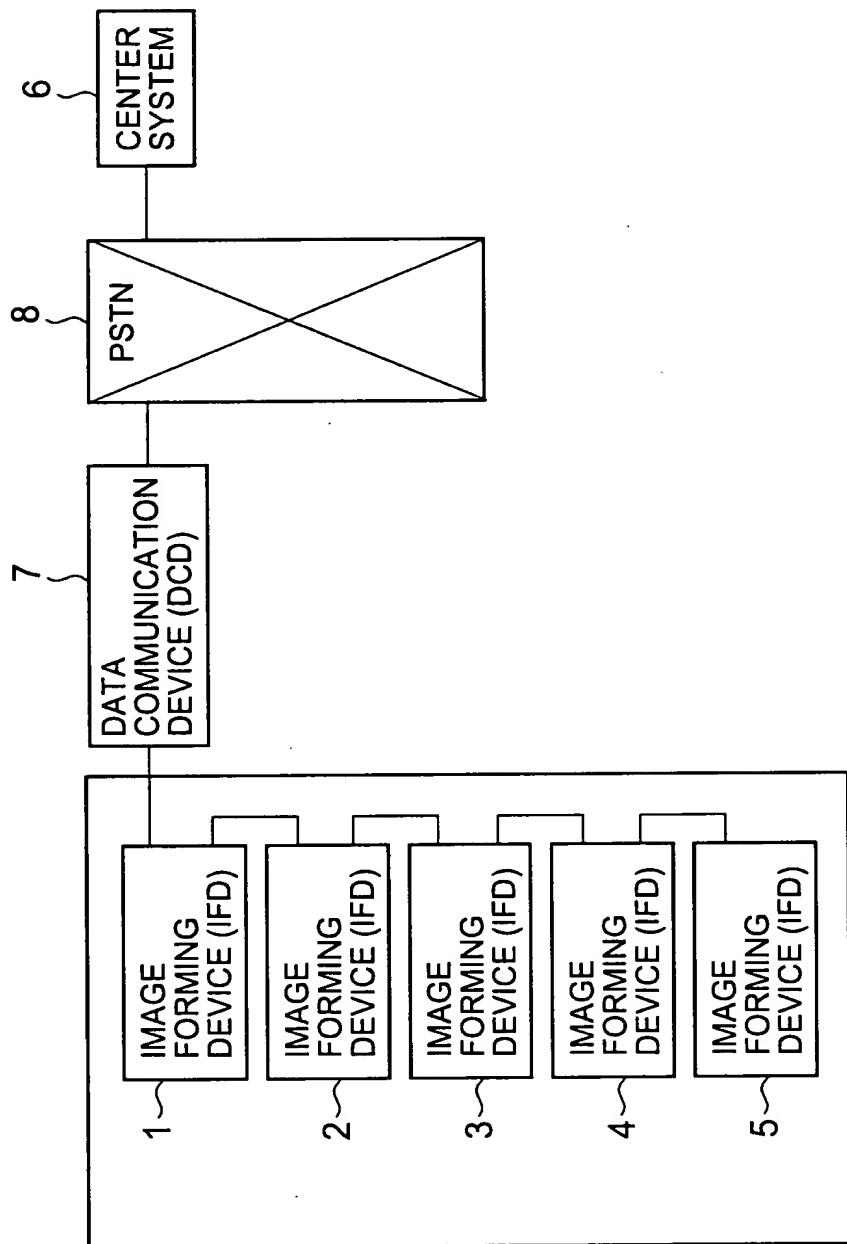


FIG. 2



3.
FIG

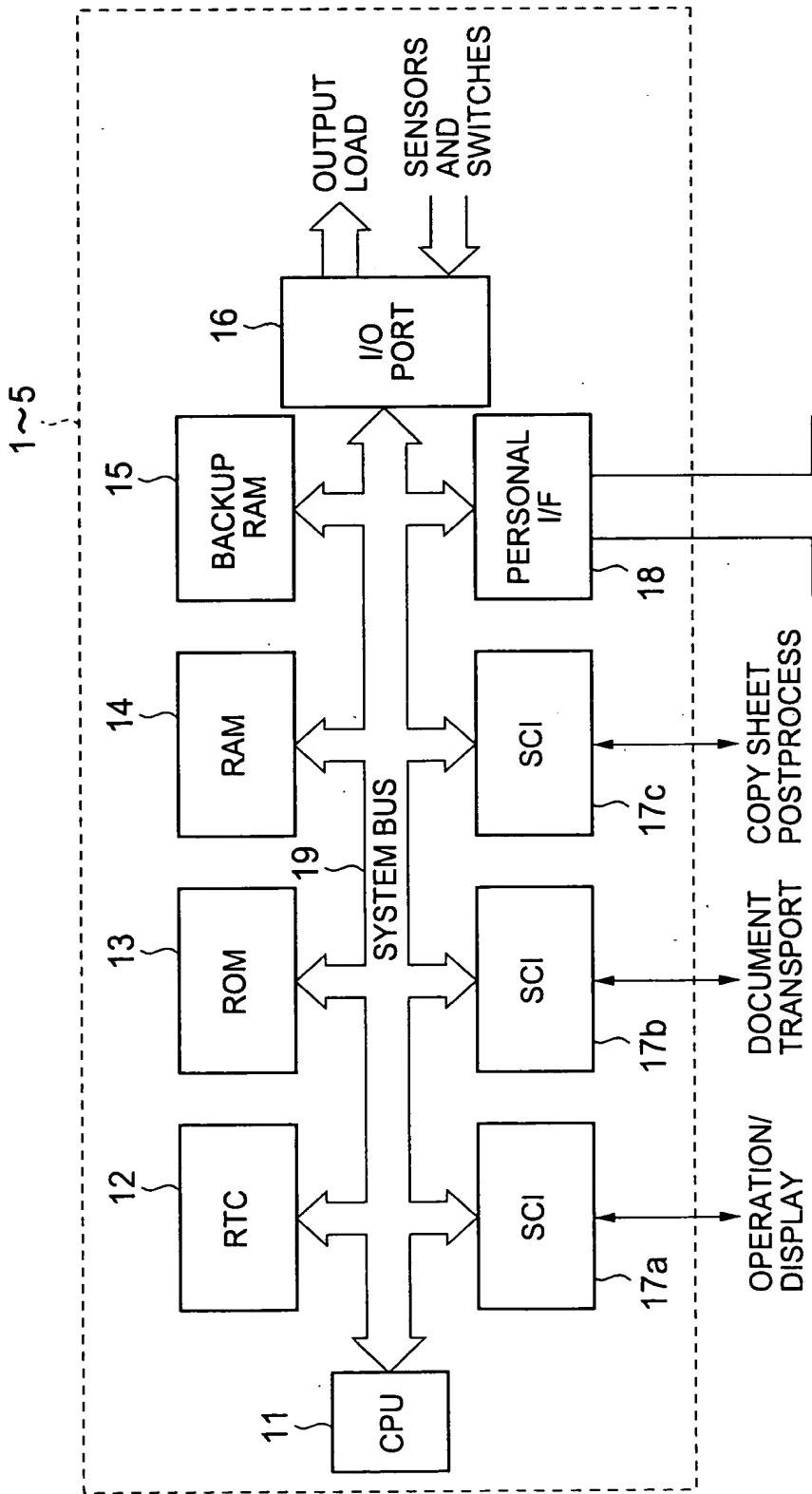


FIG. 4

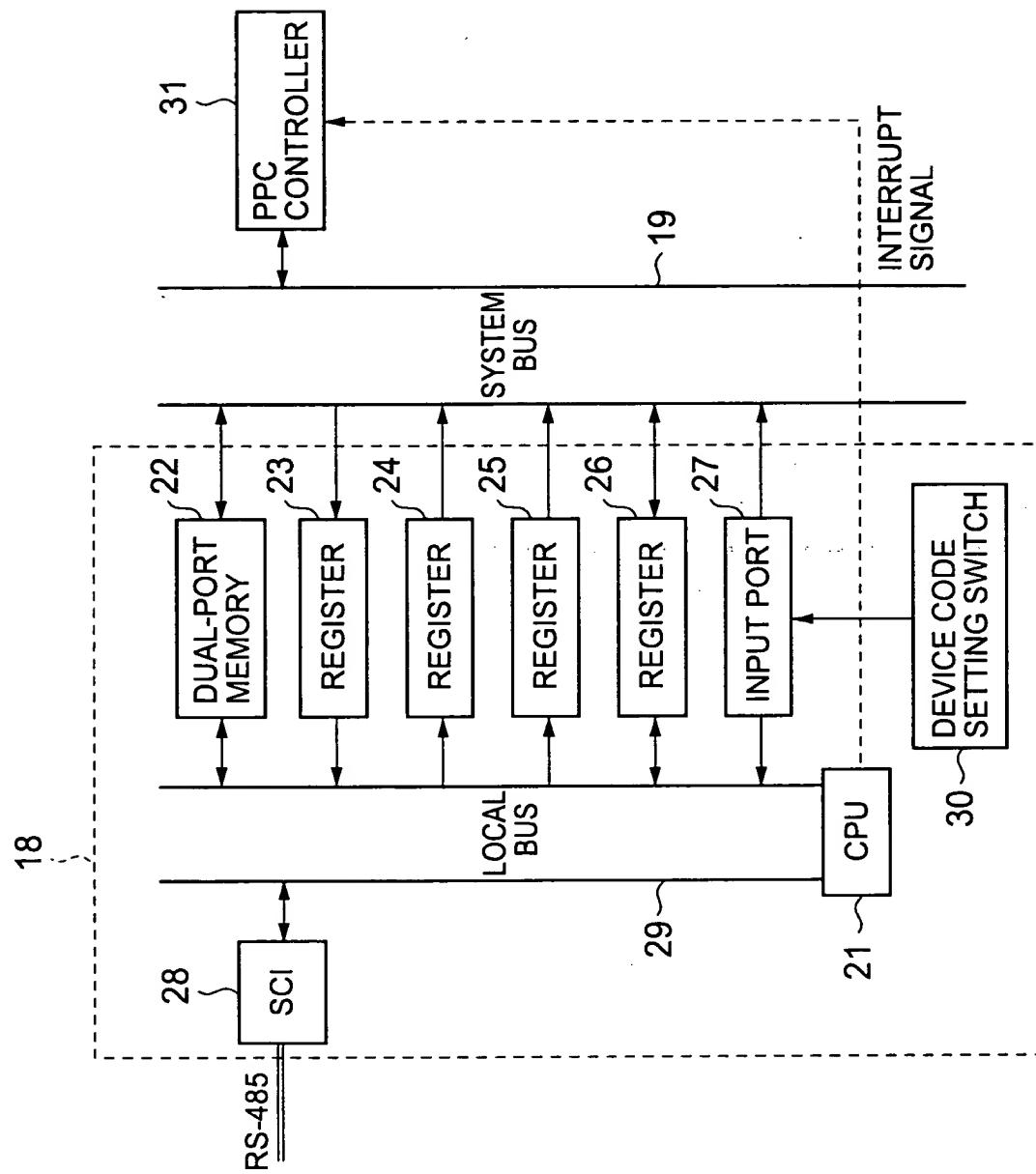


FIG. 5

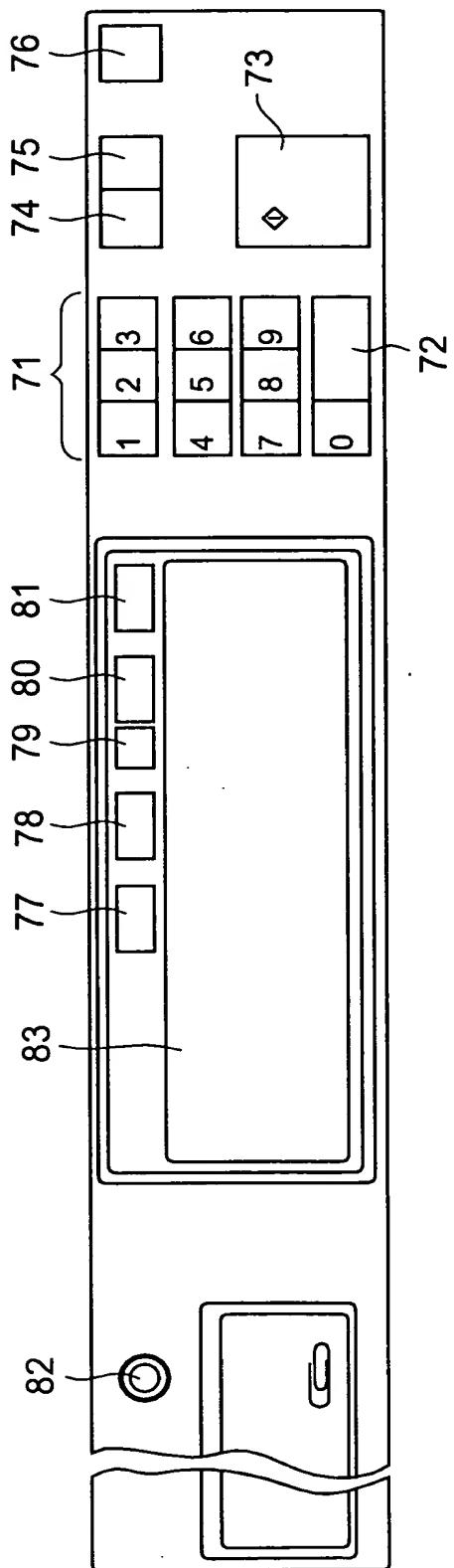


FIG. 6

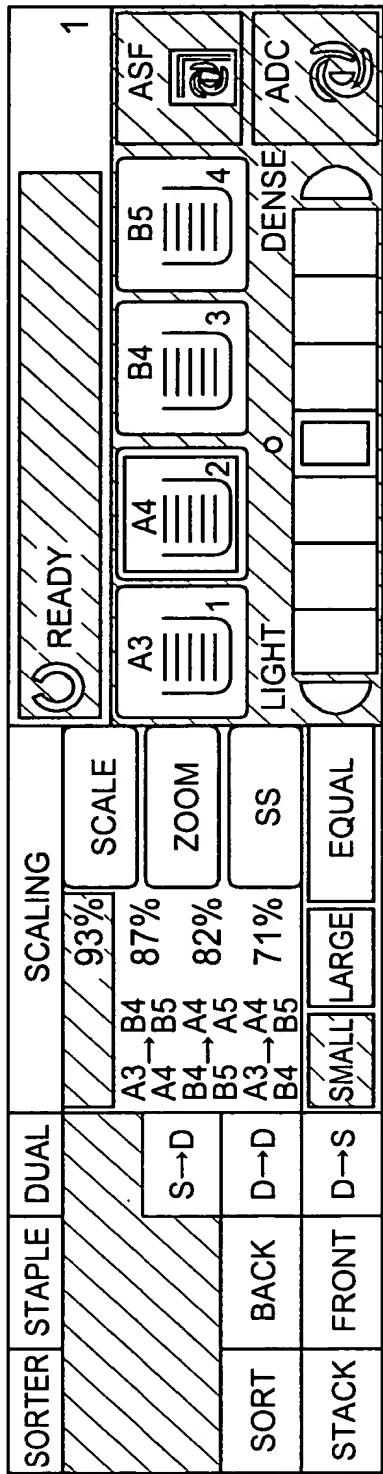
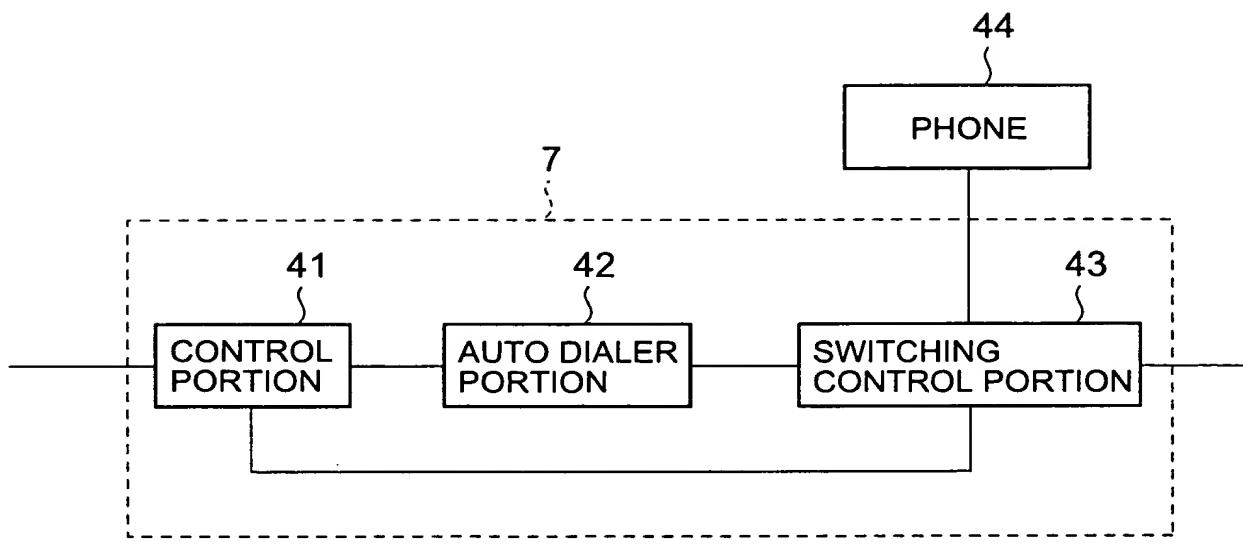


FIG. 7



RECORDED - INDEXED - SERIALIZED - FILED

FIG. 8

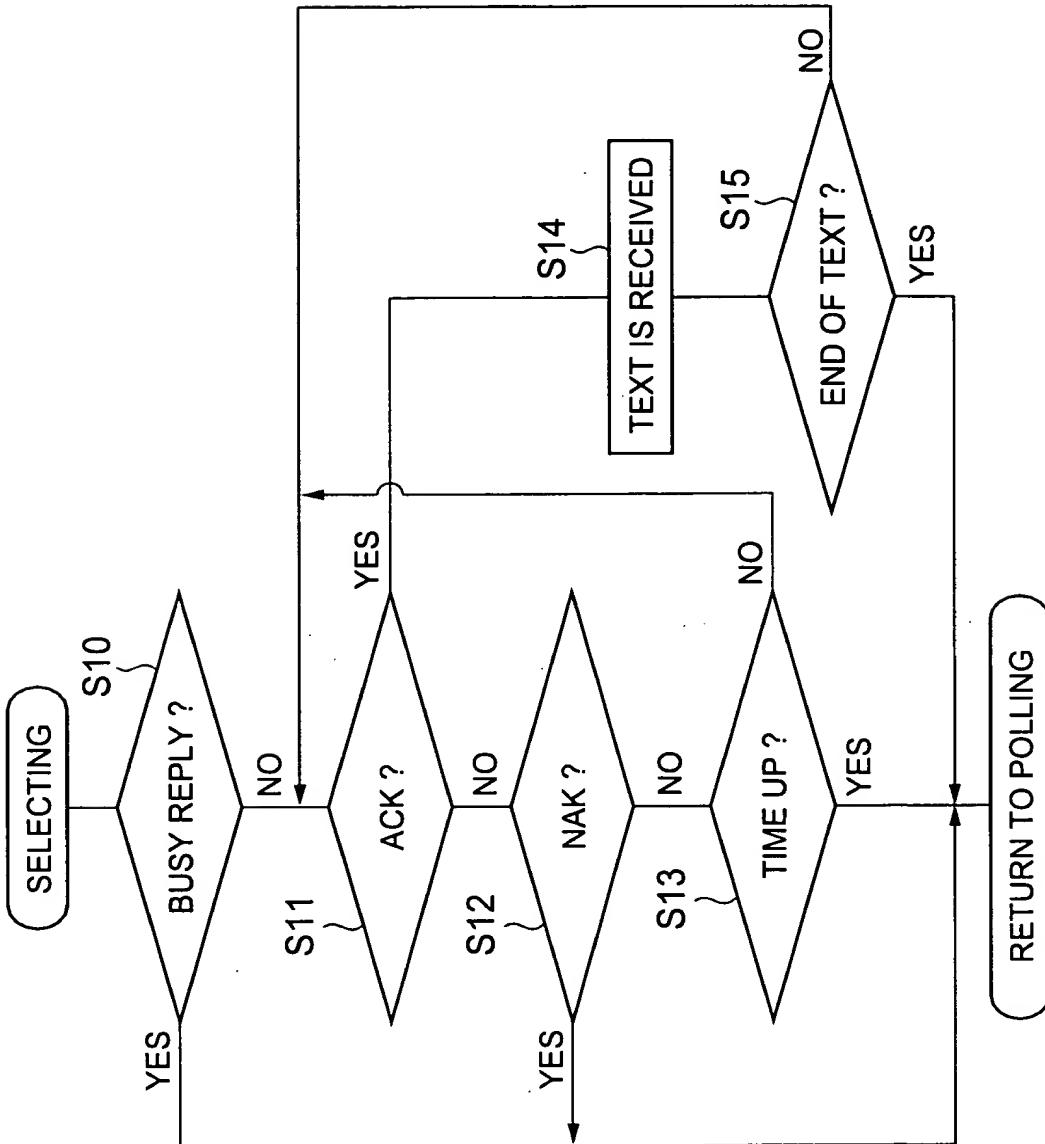


FIG. 9

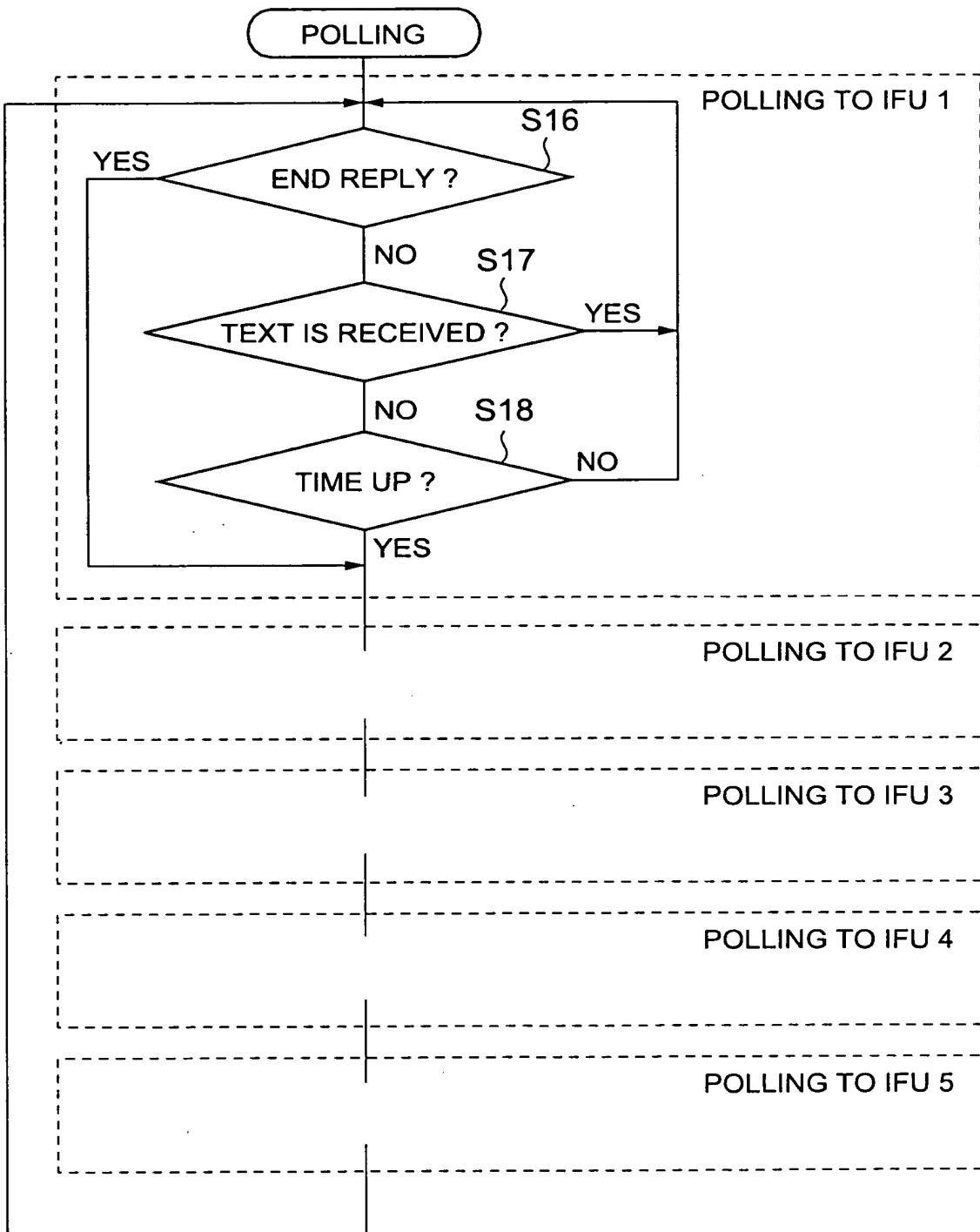


FIG. 10

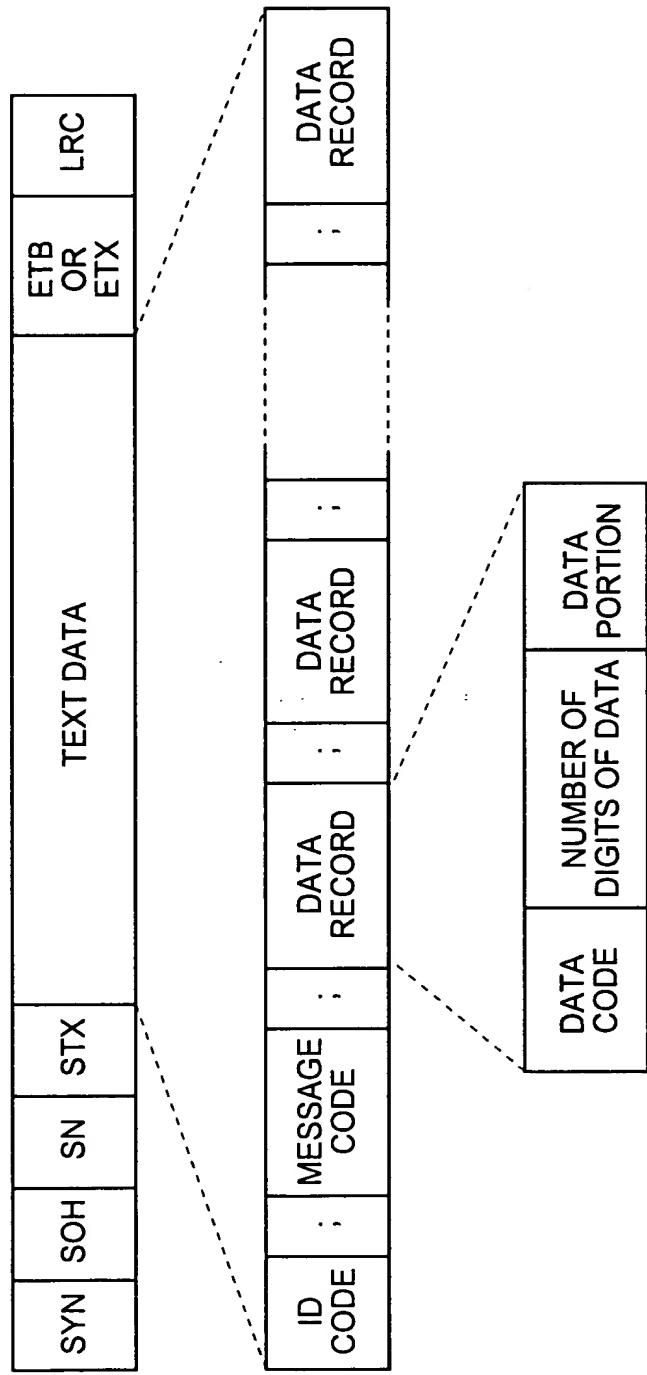


FIG. 11

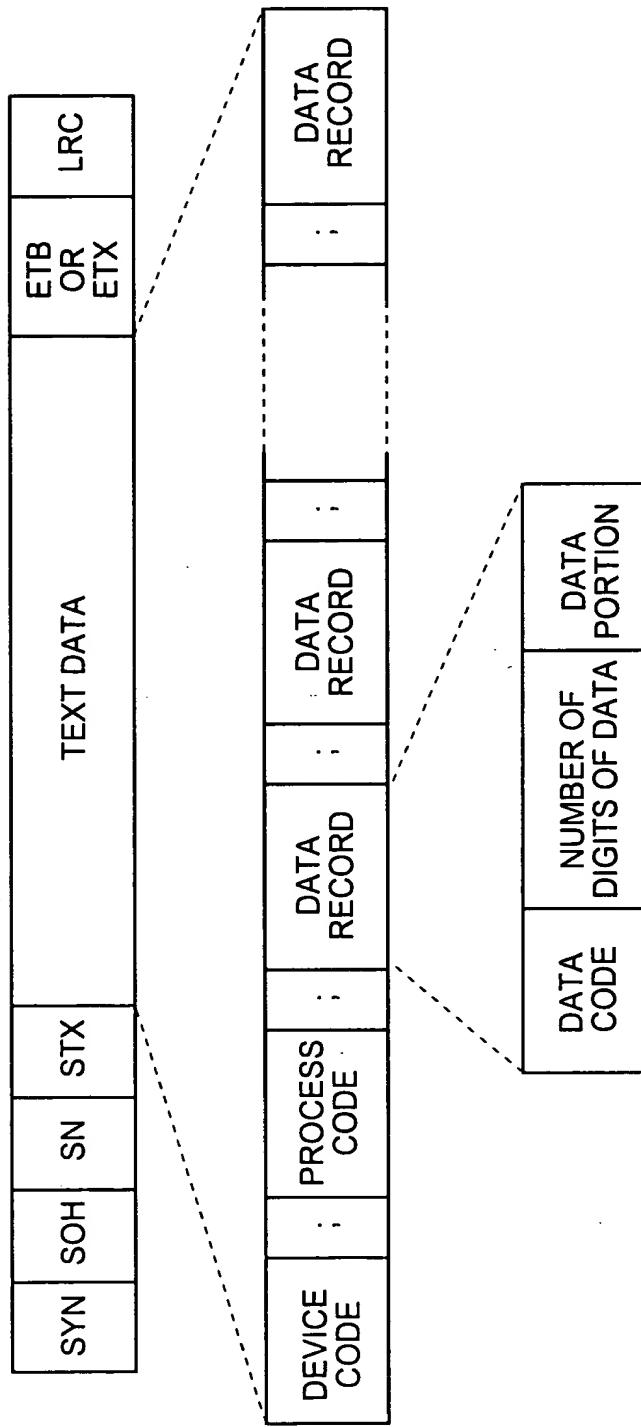


FIG. 12

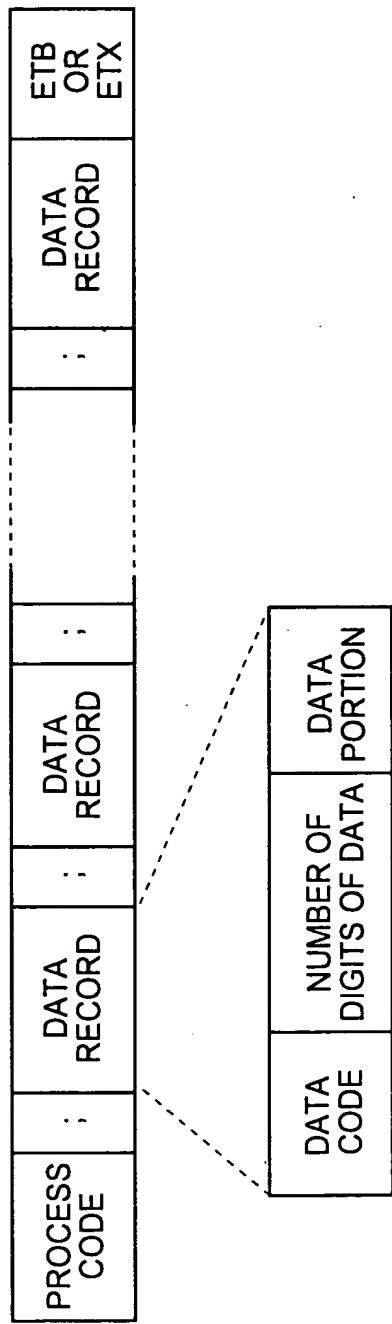


FIG. 13

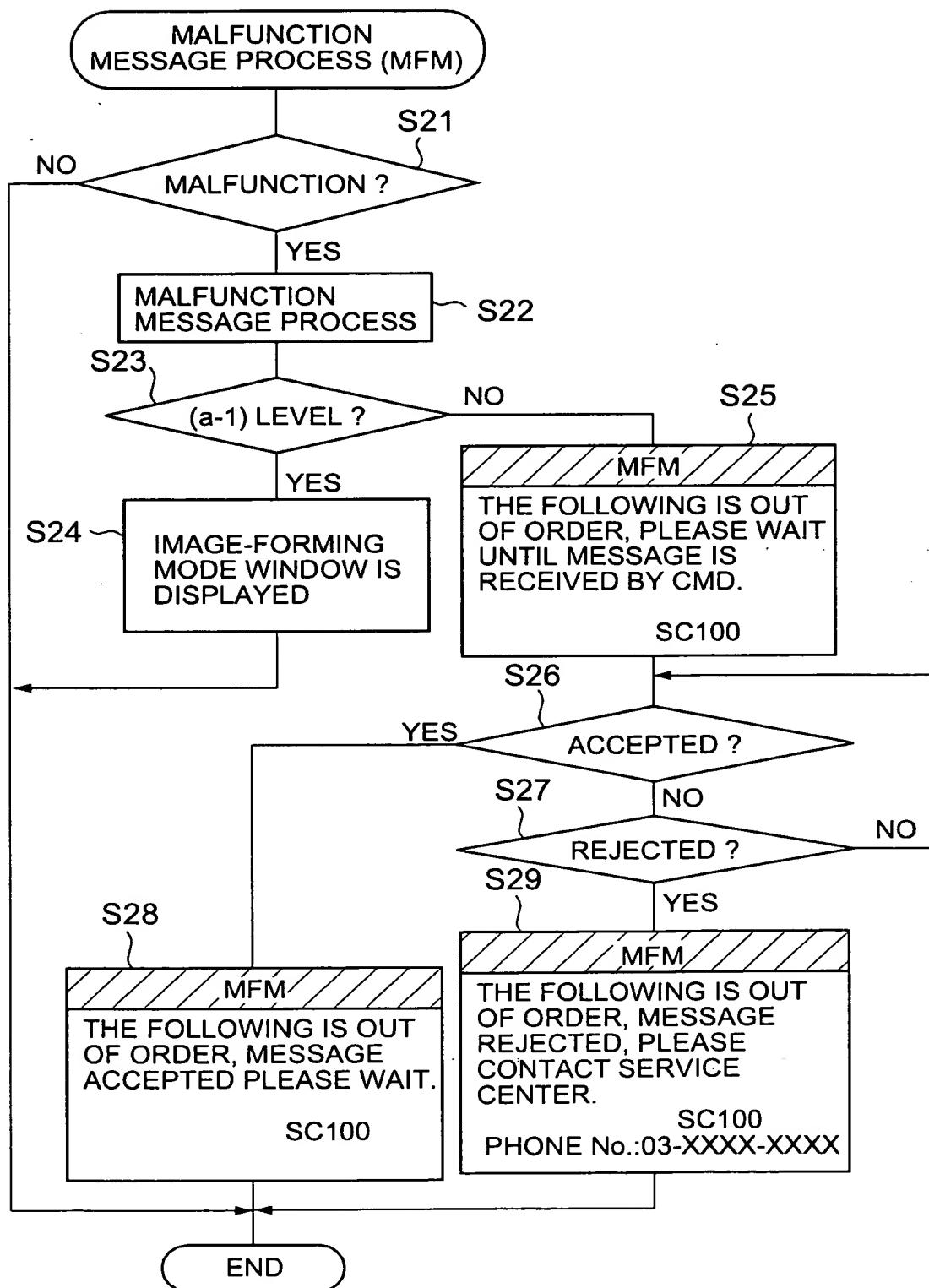


FIG. 14

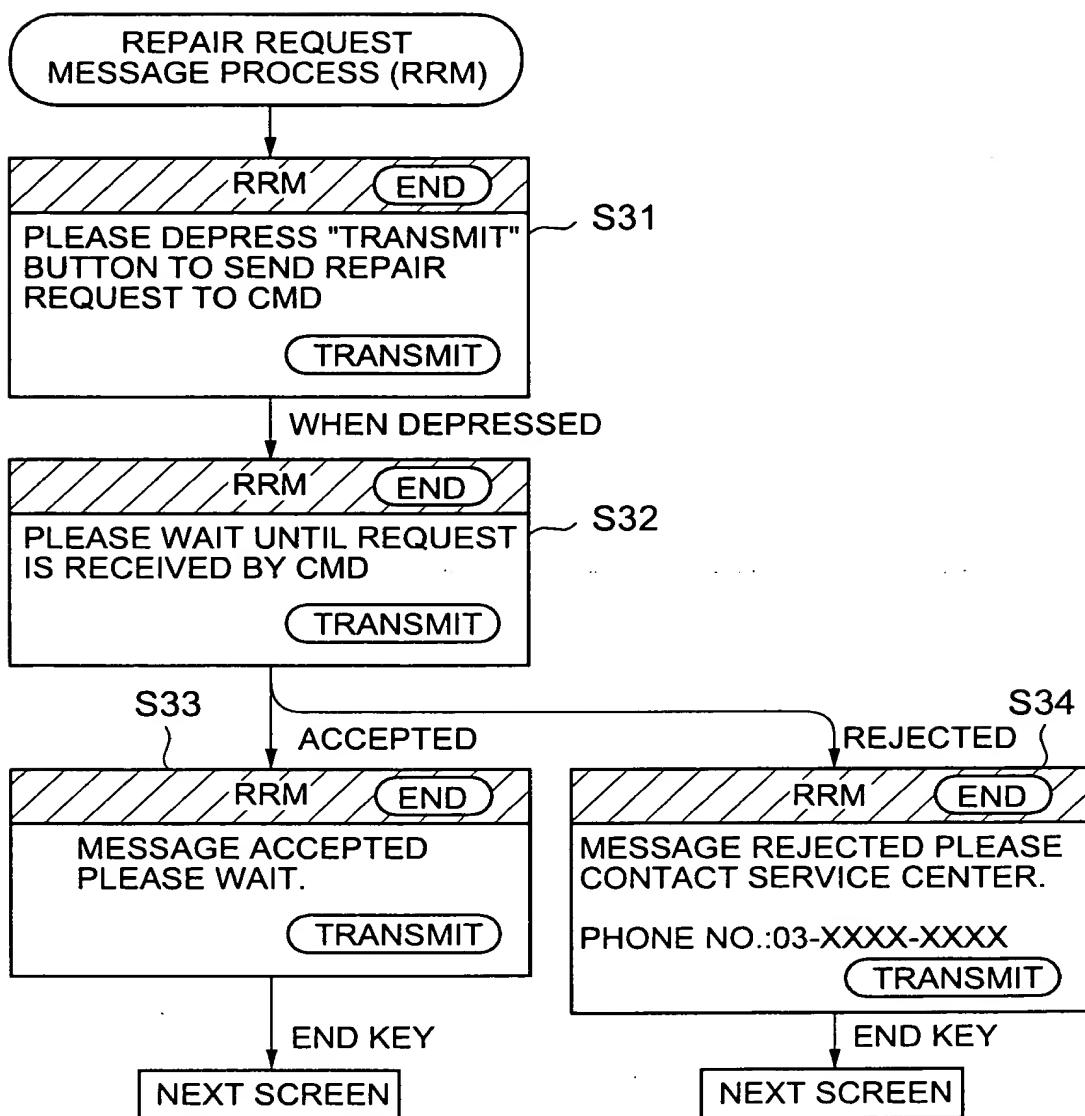


FIG. 15

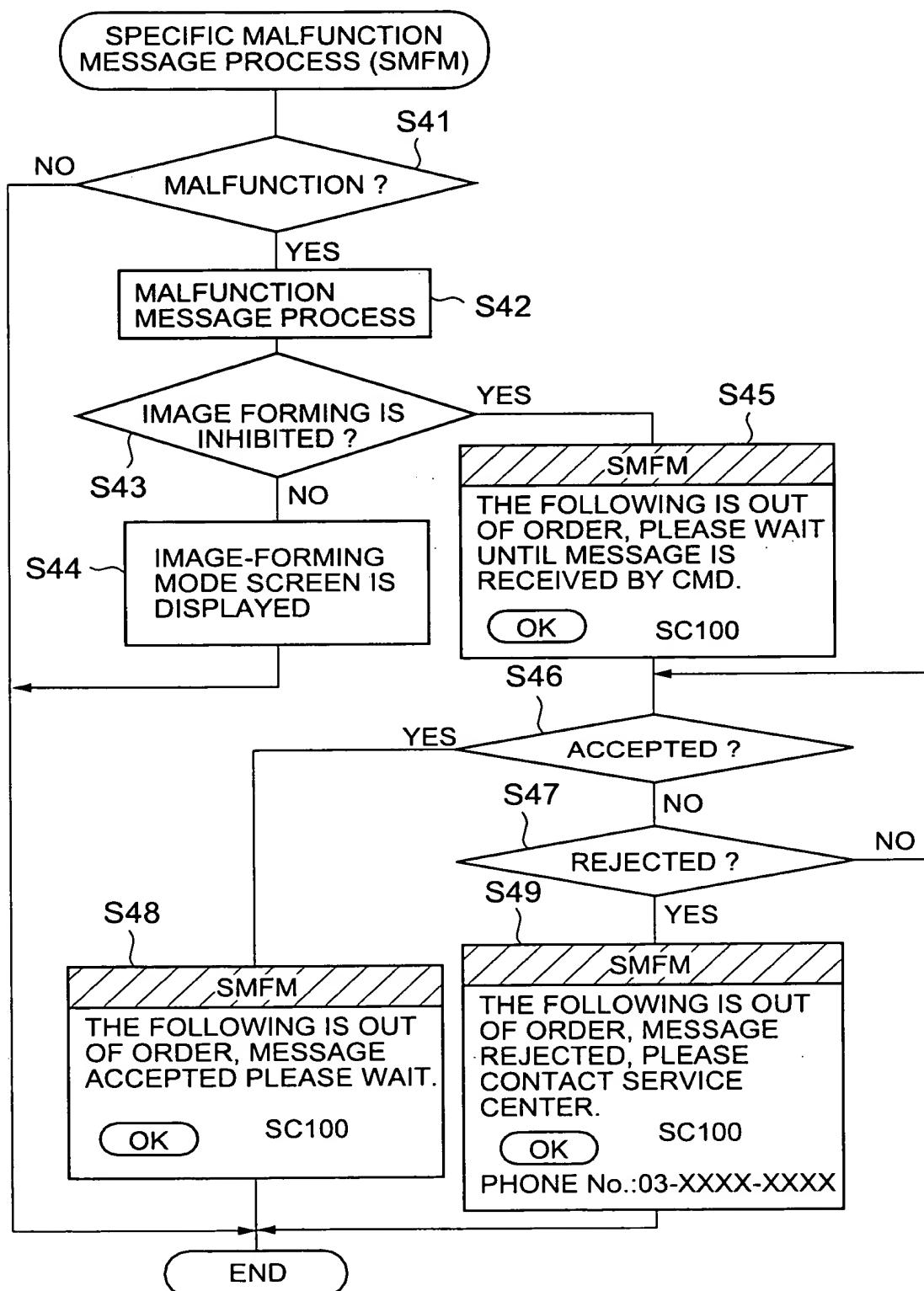


FIG. 16

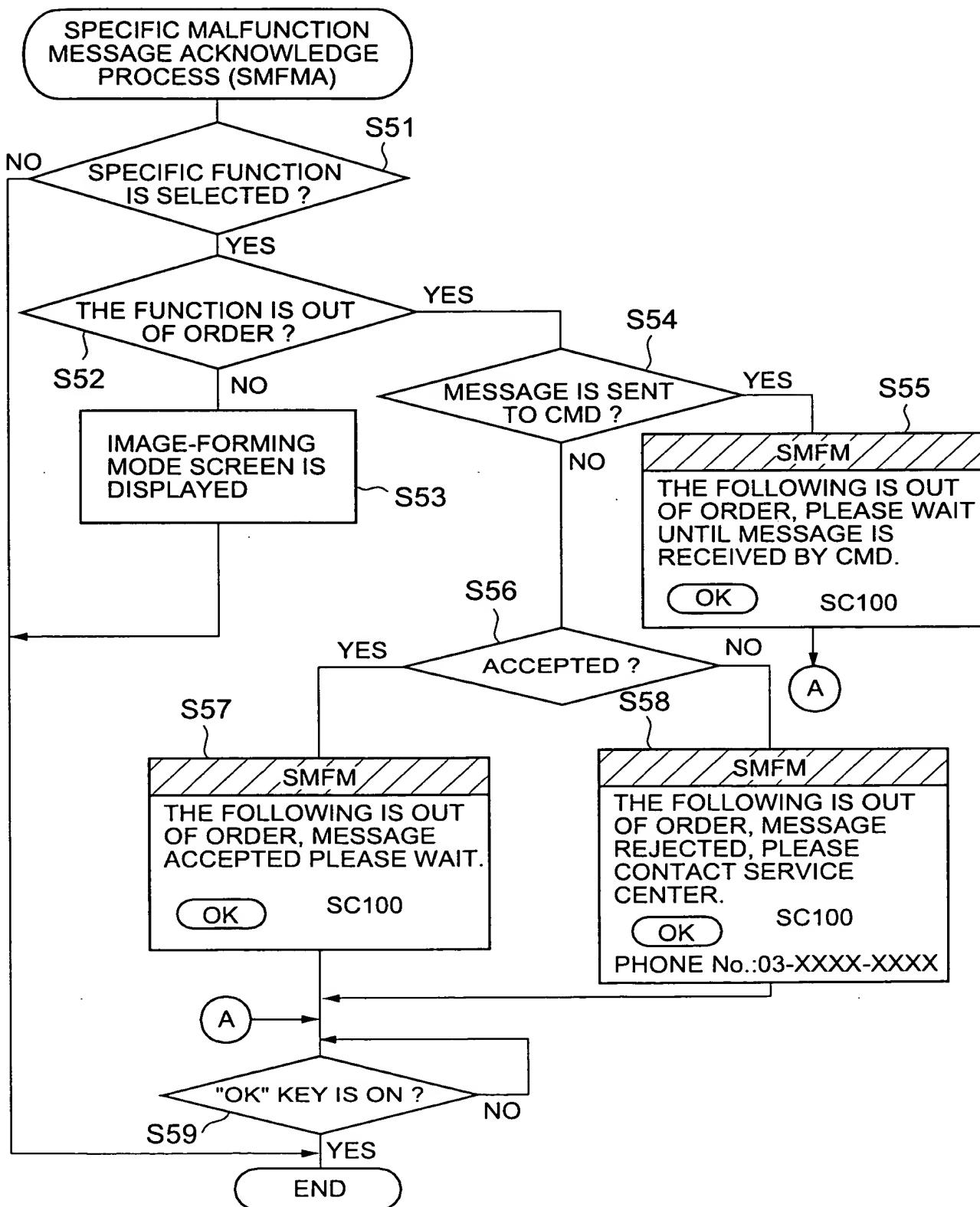


FIG. 17

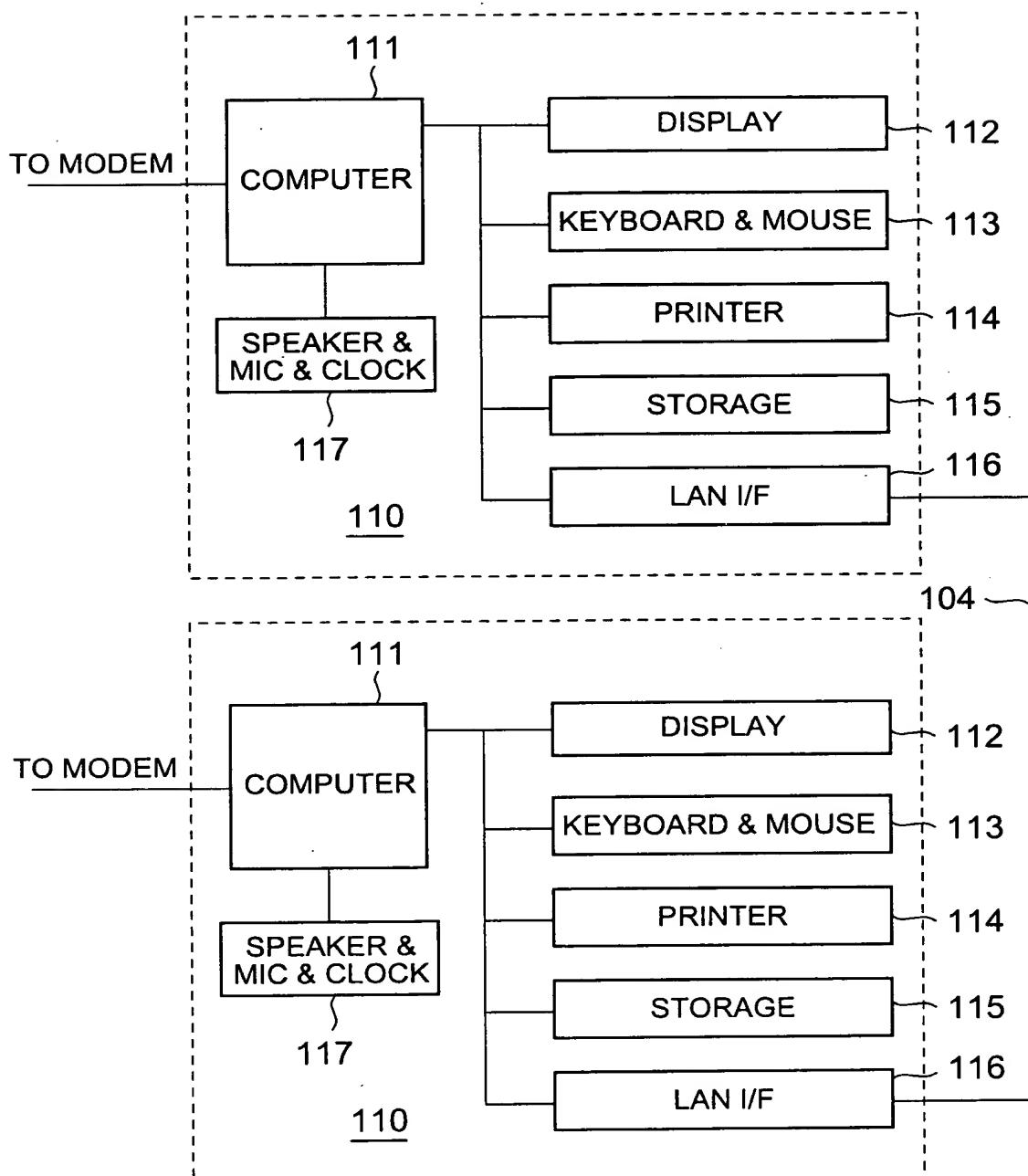


FIG.18

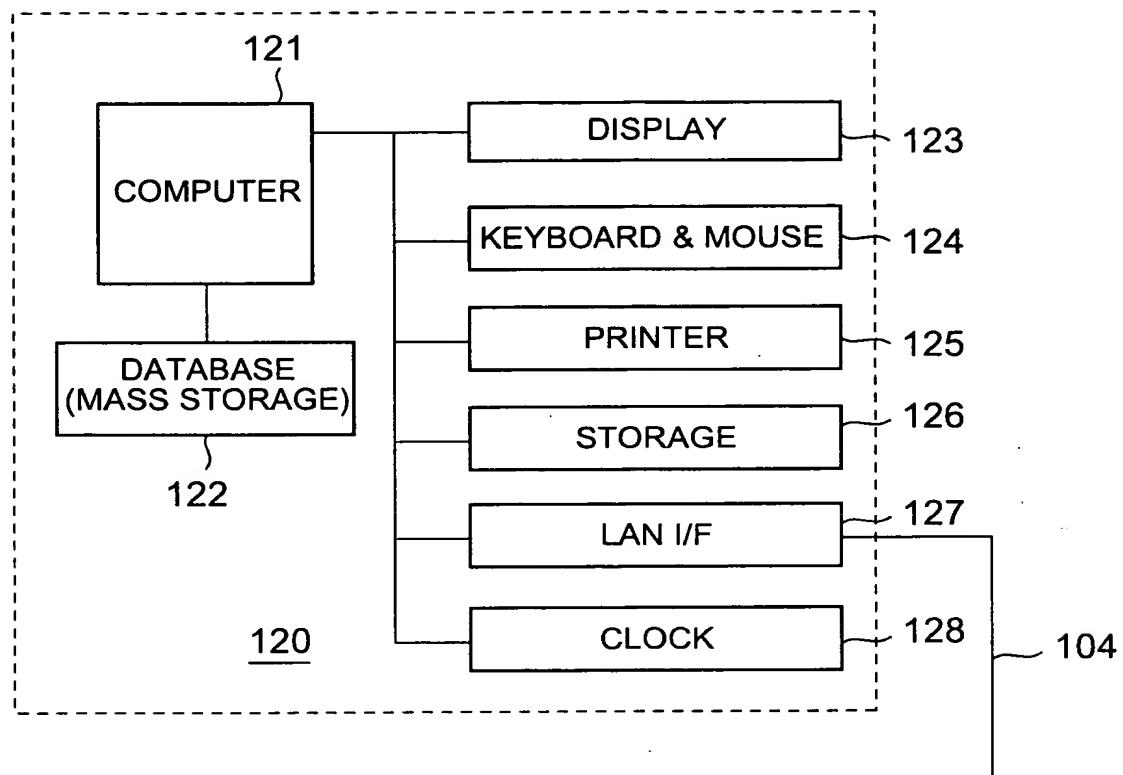


FIG. 19

MAIN DATA FILE

FIG. 20

CUSTOMER DATA FILE

FIG. 21

MACHINE DATA FILE

FIG. 22

DETAILED MACHINE DATA FILE

FIG.23

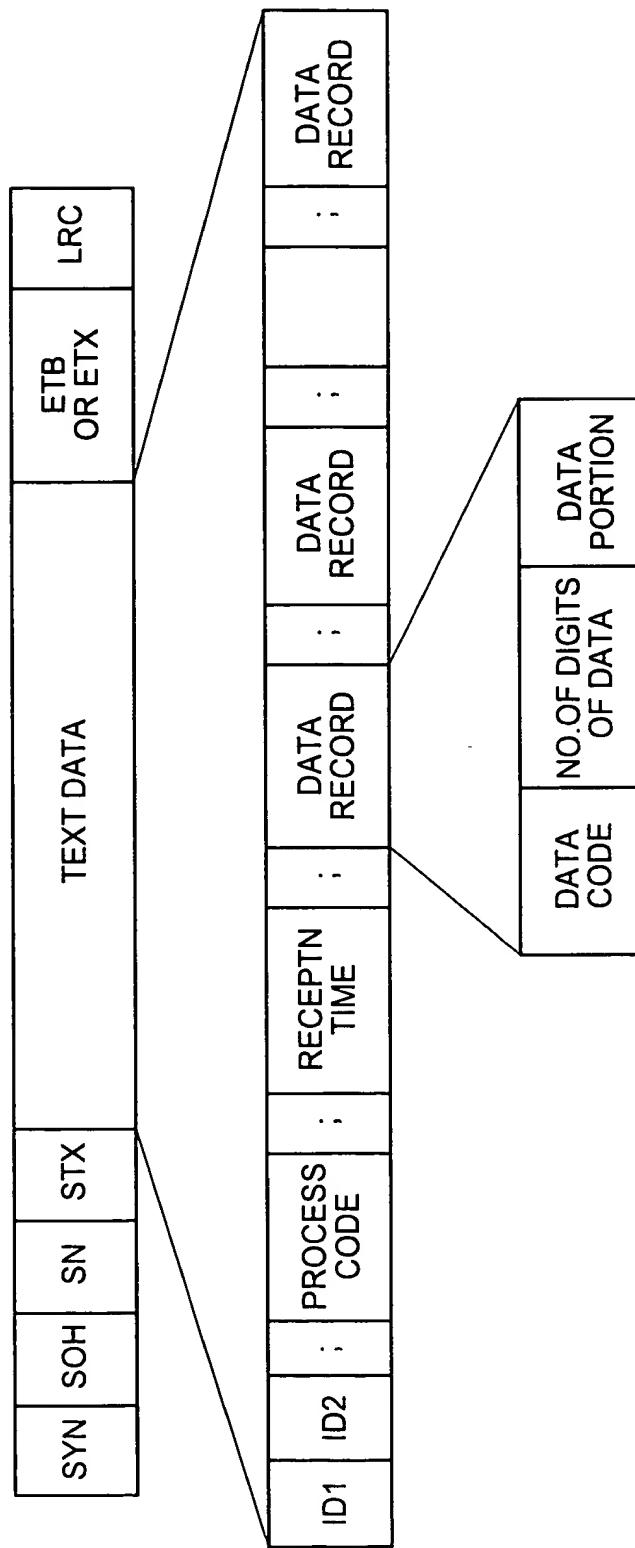


FIG. 24

SQ No CUSTOMER NAME MACHINE TYPE DATA TYPE RECEP'TN TIME ORDER TIME STATUS

516	AAA	AAAA	100	13:00		
515	BBB	BBBB	200	12:50		IN PROCESS (X)
514	CCC	CCCC	100	12:48		IN PROCESS (Y)
513	DDD	BBBB	300	12:30	12:33	ORDER (Z)
512	EEE	AAAA	500	12:10	12:15	ORDER (Y)
511	FFF	BBBB	200	11:50	11:52	ORDER (X)

FIG.25

MENU						
SQ No	CUSTOMER NAME	MACHINE TYPE	DATA TYPE	RECEPTN TIME	ORDER TIME	STATUS
516	AAA	AAAA	100	13:00		
515	BBB	BBBB	200	12:50	IN PROCESS (X)	
514	CCC	CCCC	100	12:48	IN PROCESS (Y)	
513	DDD	BBBB	300	12:30	12:33 ORDER (Z)	
512	EEE	S.N.515 IS NOW IN PROCESS AND CANNOT BE SELECTED.				
511	FFF	12:35 ORDER (Y) 11:52 ORDER (X)				
<input type="button" value="OK"/>						

WHEN DESIGNATED

FIG. 26

MENU							
SQ No	CUSTOMER NAME	MACHINE TYPE	DATA TYPE	RECEPTN TIME	ORDER TIME	STATUS	
516	AAA	AAAA	100	13:00		IN PROCESS (X)	
515	BBB	BBBB	200	12:50		IN PROCESS (Y)	
514	CCC	CCCC	100	12:48		IN PROCESS (Z)	
513	DDD	BBBB	300	12:30	12:33	ÓRDÉR (Z)	
512	EEE	THIS ITEM WAS ORDERED				12:15	ÓRDÉR (Y)
511	FFF					11:52	ÓRDÉR (X)
				OK	RUN	WHEN DESIGNATED	

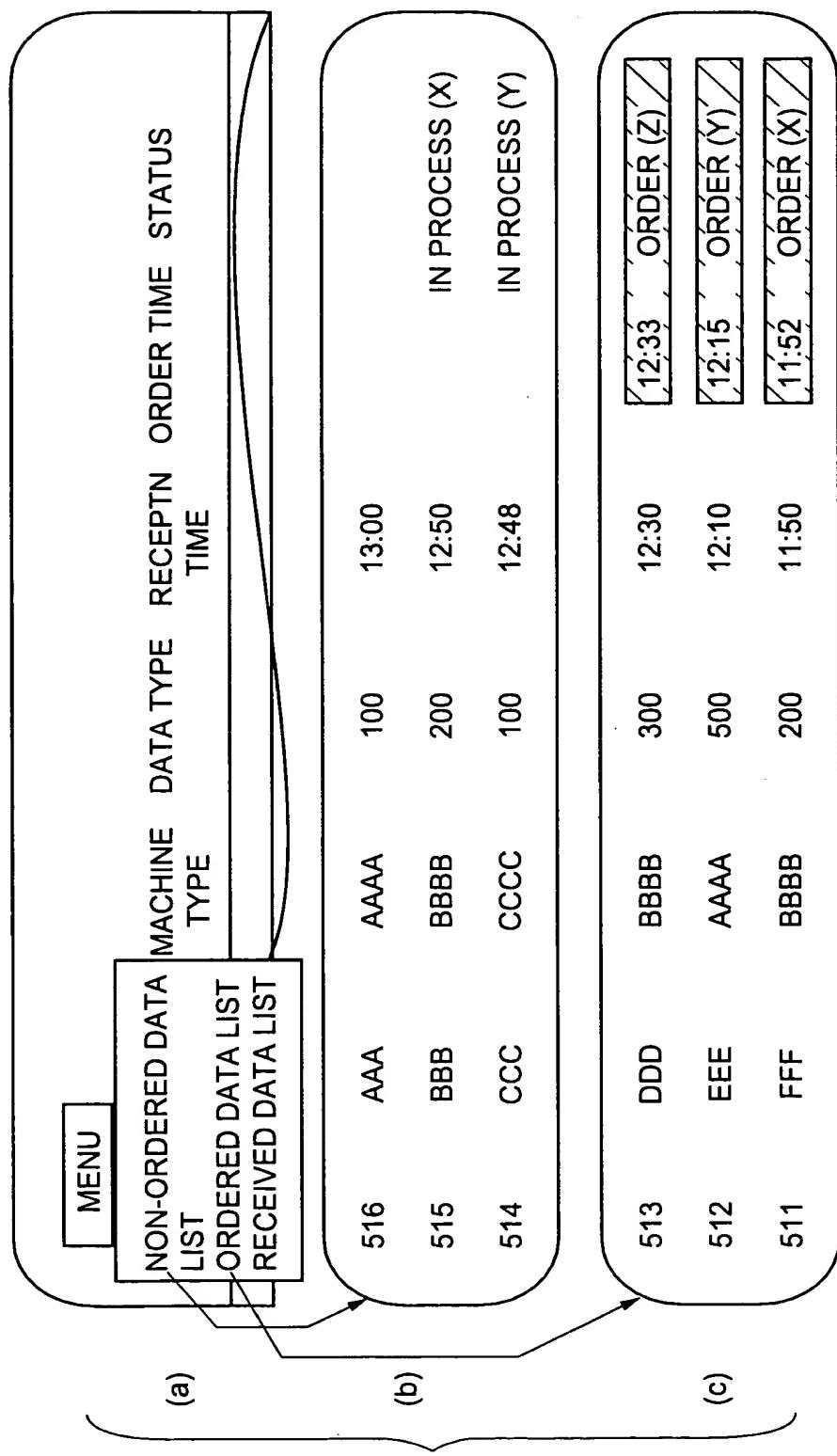


FIG. 27

FIG. 28

SN	CUSTOMER NAME	MACHINE TYPE	DATA TYPE	RECEPTN TIME	ORDER TIME	STATUS
316	GGG	BBBB	500	11:00		IN PROCESS (Z)
315	HHH	GGGG	200	10:50	09:30	ORDER (X) No 299

WHEN DESIGNATED

IN PROCESS (Y)

DUPLICATE DATA LIST

SN	DATA RECEPTN ORDER	TYPE	TIME	TIME
314				
313				
312	315	200	10:50	
	300	200	09:40	
311	299	100	09:28	09:30

10:30 ORDER (Z)

10:44 ORDER (Y)

11:01 ORDER (X)

OK

THERE IS ORDERED DATA

FIG.29

No.	ITEMS	SETTINGS	REMARKS
1	MACHINE TYPE AND ID	EEE-EE01	
2	TOTAL COPY COUNT1	123456	
3	TOTAL COPY COUNT2	1500	
4	TOTAL COPY COUNT3	3000	
5	TOTAL COPY COUNTn	1000	
6	TOTAL COPY COUNT1(PRIOR MONTH)	110456	
7	TOTAL COPY COUNT2(PRIOR MONTH)	1000	
8	TOTAL COPY COUNT3(PRIOR MONTH)	2000	
9	TOTAL COPY COUNTn(PRIOR MONTH)	800	
10	TOTAL COPY COUNT1(AVERAGE)	13000	
11	TOTAL COPY COUNT2(AVERAGE)	500	
12	TOTAL COPY COUNT3(AVERAGE)	1000	
13	TOTAL COPY COUNTn(AVERAGE)	200	

FIG.30

No.	MACHINE TYPE	MACHINE ID	MONTHLY DEADLINE DATE	NORMAL MESSAGE DATE	CALL BY DCD
1	FFF	FF01	5	4	YES
2	EEE	EE01	15	14	YES
3	DDD	DD01	15	14	YES
4	CCC	CC01	5	4	YES
5	BBB	BB01	20	19	YES
6	AAA	AA01	15	14	YES
:	:	:	:	:	:
n	AAA	AA02	15	14	NO

FIG.31

No.	MACHINE TYPE	MACHINE ID	MONTHLY DEADLINE DATE	NORMAL MESSAGE DATE	CALL BY DCD
1	EEE	EE01	15	14	YES
2	DDD	DD01	15	14	YES
3	BBB	BB01	20	19	YES
4	AAA	AA01	15	14	YES
:	:	:	:	:	:
n	AAA	AA02	15	14	NO

FIG. 32

No.	MACHINE TYPE	MACHINE ID	MONTHLY DEADLINE	DATE OF RECEPTN	TAG	TIME OF RECEPTN	STATE	CALL BY DCD	NO.OF CALLS	USAGE DATA1	USAGE DATA2	USAGE DATA3	USAGE DATA4
1	EEE	EE01	15	6	SET		NO ERROR	YES	1	123456	1500	3000	1000
2	DDD	DD01	15	6	SET		NO ERROR	YES	1	120056	5000	6500	2000
3	BBB	BB01	20		SET								
4	AAA	AA01	15		SET								
		:											
n	AAA	AA02	15		SET			NO ACK	NO	2			

FIG.33A

CENTER-SYSTEM HOLIDAYS IN AUGUST

SUN	MON	TU	WED	THU	FRI	SAT
						/ 1 /
2	3	4	5	6	7	/ 8 /
9	/ 10 /	/ 11 /	/ 12 /	/ 13 /	/ 14 /	/ 15 /
16	17	18	19	20	21	/ 22 /
23	24	25	26	27	28	/ 29 /
30	31					

FIG.33B

CUSTOMER HOLIDAYS IN AUGUST

SUN	MON	TU	WED	THU	FRI	SAT
						/ 1 /
2	3	4	5	6	7	/ 8 /
9	/ 10 /	/ 11 /	/ 12 /	/ 13 /	/ 14 /	/ 15 /
16	17	18	19	20	21	/ 22 /
23	24	25	26	27	28	/ 29 /
30	31					

FIG. 34

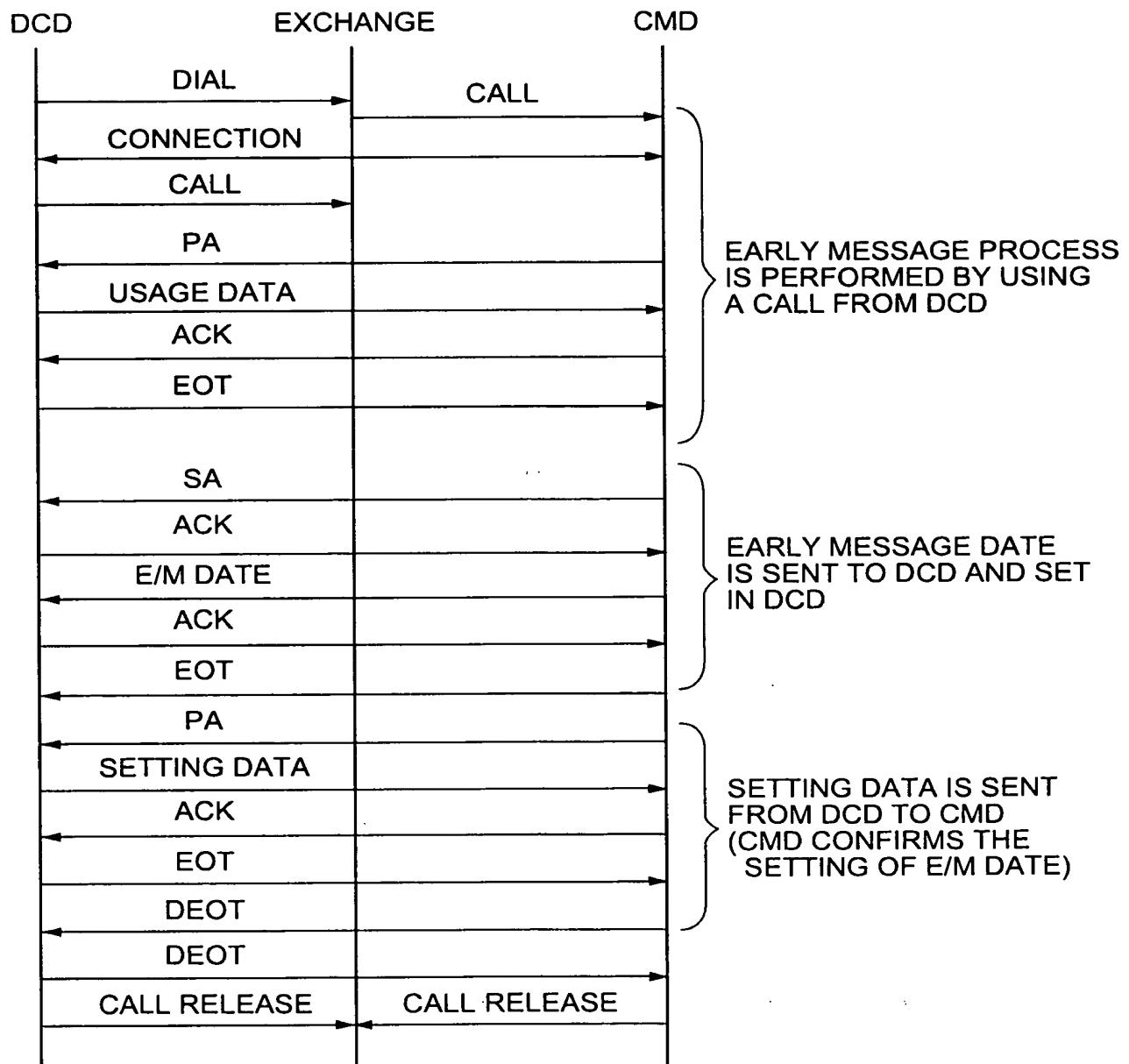


FIG. 35

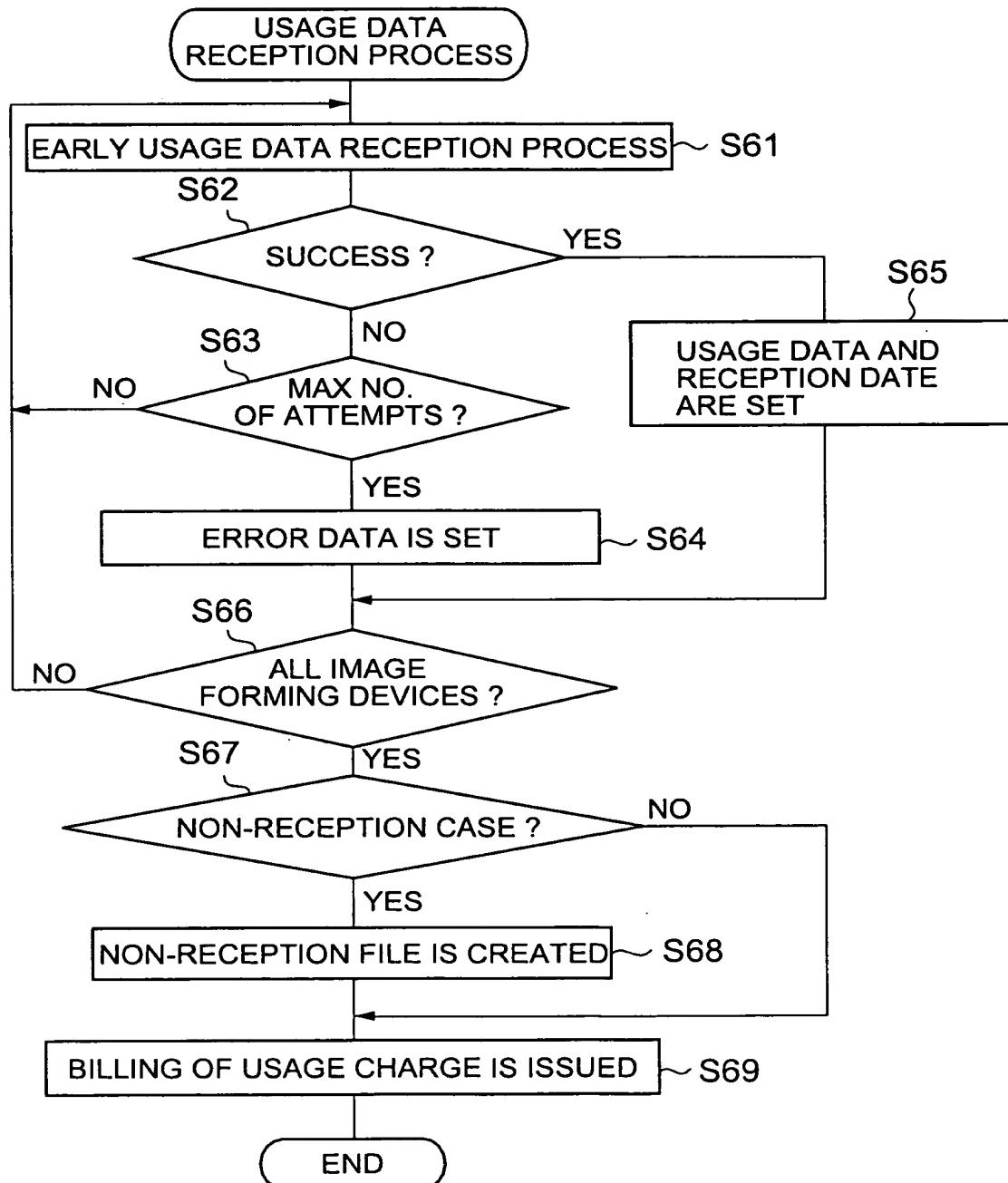


FIG.36A

CALL MANAGEMENT TABLE

ITEM	CONTENTS
CALL DESTINATION	03-1234-4567
MAX NO.OF CALLS	10
CALLING INTERVAL (SEC)	65
NO. OF CALL EVENTS	6

FIG.36B

ERROR LOG

ERROR NAME	ERROR CODE
NO ACK	0-23
BUSY STATE	0-24
:	:

FIG.37

SYN	SOH	SN	STX	ID CODE	MESSAGE CODE	TEXT DATA	ETX	LRC

FIG.38

INTERNAL CLOCK DATA

YEAR	MONTH	DAY	HOUR	MINUTE
2000	08	10	08	30

FIG. 39

PARAMETER NAME	NO. OF DIGITS	REMARKS
SC/MC CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
ALARM CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
SUPPLY CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
USAGE-DATA CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
DEVICE-CODE-0 CONVERT TABLE	17	
DEVICE-CODE-1 CONVERT TABLE	17	
DEVICE-CODE-2 CONVERT TABLE	17	
DEVICE-CODE-3 CONVERT TABLE	17	
DEVICE-CODE-4 CONVERT TABLE	17	
DEVICE-CODE-0 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-1 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-2 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-3 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-4 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-0 EARLY M DATE1	4	MONTH/DAY 0101-1231
DEVICE-CODE-0 EARLY M DATE2	4	MONTH/DAY 0101-1231
DEVICE-CODE-0 EARLY M DATE3	4	MONTH/DAY 0101-1231
DEVICE-CODE-1 EARLY M DATE1	4	MONTH/DAY 0101-1231
DEVICE-CODE-1 EARLY M DATE2	4	MONTH/DAY 0101-1231
DEVICE-CODE-1 EARLY M DATE3	4	MONTH/DAY 0101-1231
DEVICE-CODE-2 EARLY M DATE1	4	MONTH/DAY 0101-1231
DEVICE-CODE-2 EARLY M DATE2	4	MONTH/DAY 0101-1231
DEVICE-CODE-2 EARLY M DATE3	4	MONTH/DAY 0101-1231
DEVICE-CODE-3 EARLY M DATE1	4	MONTH/DAY 0101-1231
DEVICE-CODE-3 EARLY M DATE2	4	MONTH/DAY 0101-1231
DEVICE-CODE-3 EARLY M DATE3	4	MONTH/DAY 0101-1231
DEVICE-CODE-4 EARLY M DATE1	4	MONTH/DAY 0101-1231
DEVICE-CODE-4 EARLY M DATE2	4	MONTH/DAY 0101-1231
DEVICE-CODE-4 EARLY M DATE3	4	MONTH/DAY 0101-1231
ALARM CALL TIME	4	0000-2359
USAGE-DATA CALL TIME	4	0000-2359
USAGE-DATA RECEPTION TIME	4	0000-2359
EXCHANGE TYPE	1	1:10PPS,2:20PPS,OTHERS:PB

FIG.40

PARAMETER NAME	NO. OF DIGITS	REMARKS
SC/MC CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
ALARM CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
SUPPLY CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
USAGE-DATA CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
DEVICE-CODE-0 CONVERT TABLE	17	
DEVICE-CODE-1 CONVERT TABLE	17	
DEVICE-CODE-2 CONVERT TABLE	17	
DEVICE-CODE-3 CONVERT TABLE	17	
DEVICE-CODE-4 CONVERT TABLE	17	
DEVICE-CODE-0 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-1 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-2 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-3 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-4 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-0 EARLY M DATE1	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-0 EARLY M DATE2	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-0 EARLY M DATE3	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-1 EARLY M DATE1	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-1 EARLY M DATE2	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-1 EARLY M DATE3	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-2 EARLY M DATE1	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-2 EARLY M DATE2	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-2 EARLY M DATE3	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-3 EARLY M DATE1	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-3 EARLY M DATE2	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-3 EARLY M DATE3	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-4 EARLY M DATE1	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-4 EARLY M DATE2	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-4 EARLY M DATE3	4	MONTH/DAY 0101-1231 NO USE:0000
ALARM CALL TIME	4	0000-2359
USAGE-DATA CALL TIME	4	0000-2359
USAGE-DATA RECEPTION TIME	4	0000-2359
EXCHANGE TYPE	1	1:10PPS,2:20PPS,OTHERS:PB

FIG.41

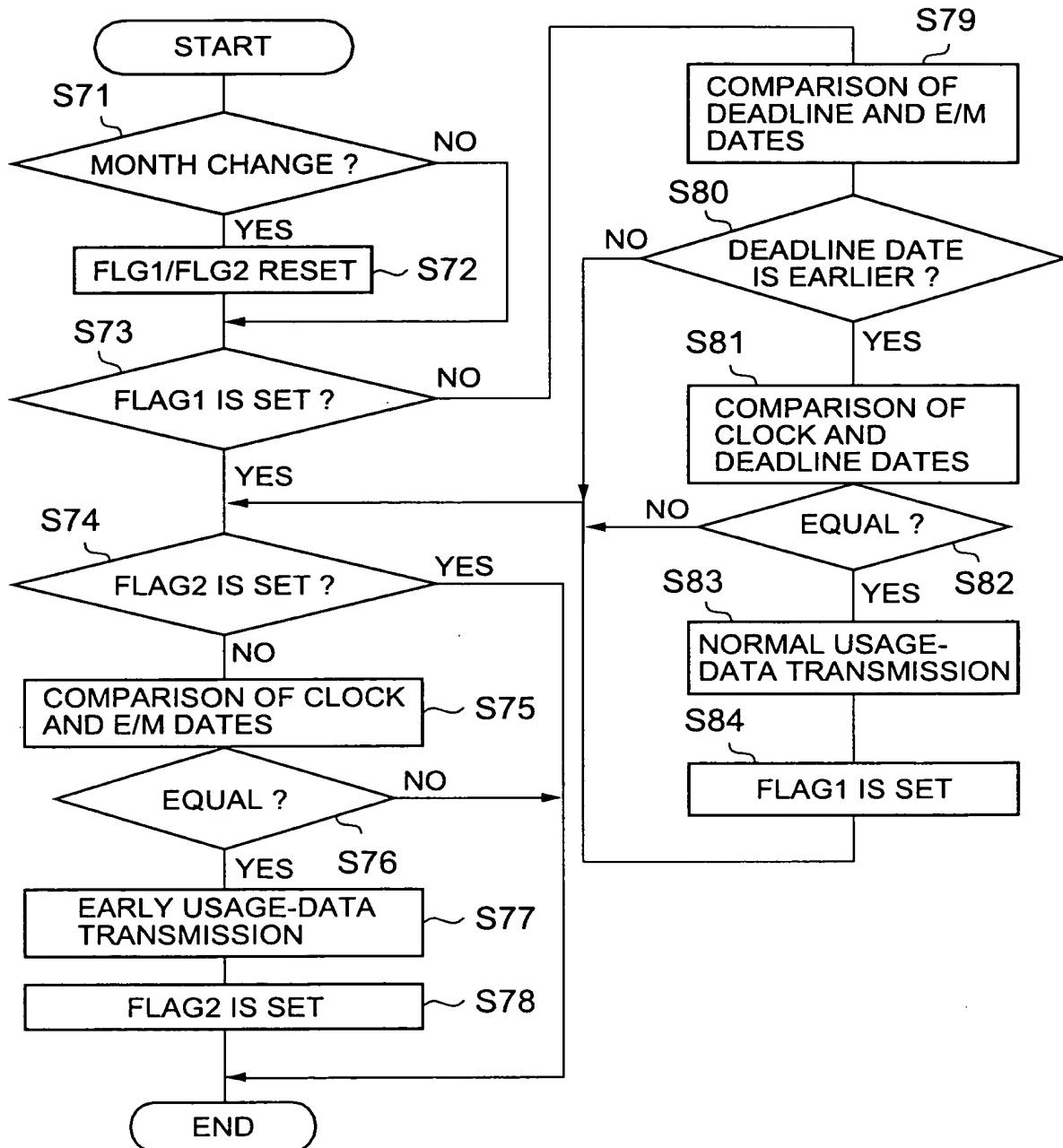


FIG.42

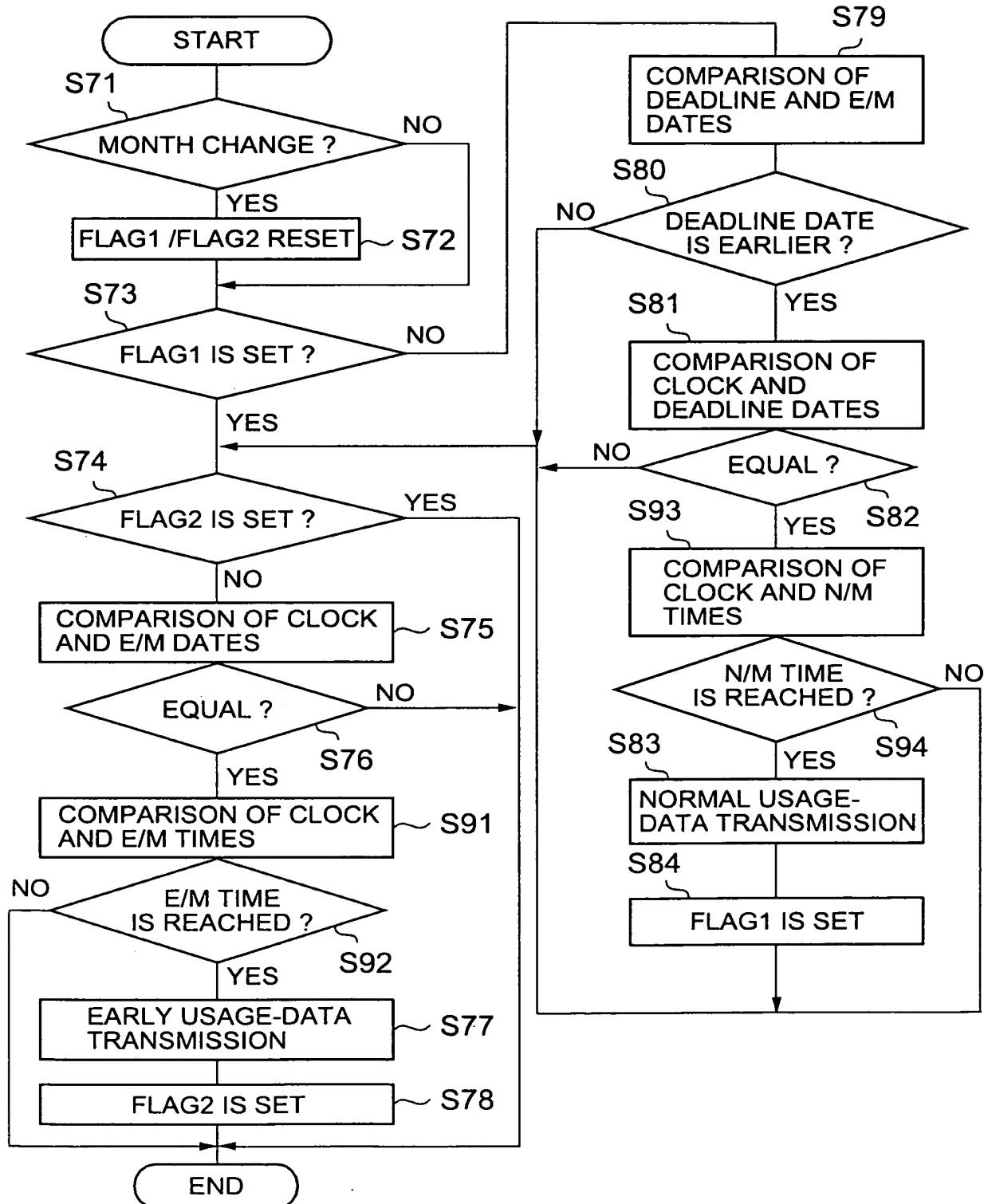


FIG.43

CUSTOMER HOLIDAY DATA

MACHINE TYPE/ID	3012-123456
HOLIDAY1	START:12/26 END:01/07
HOLIDAY2	START:04/29 END:05/07
HOLIDAY3	START:08/12 END:08/20
DEADLINE	15

CENTER-SYSTEM HOLIDAY DATA

HOLIDAY1	START:12/26 END:01/06
HOLIDAY2	START:04/29 END:05/10
HOLIDAY3	START:08/12 END:08/20

OBLON ET AL (703) 413-3000
DOCKET #196873USA SHEET 40 OF 47

FIG. 44

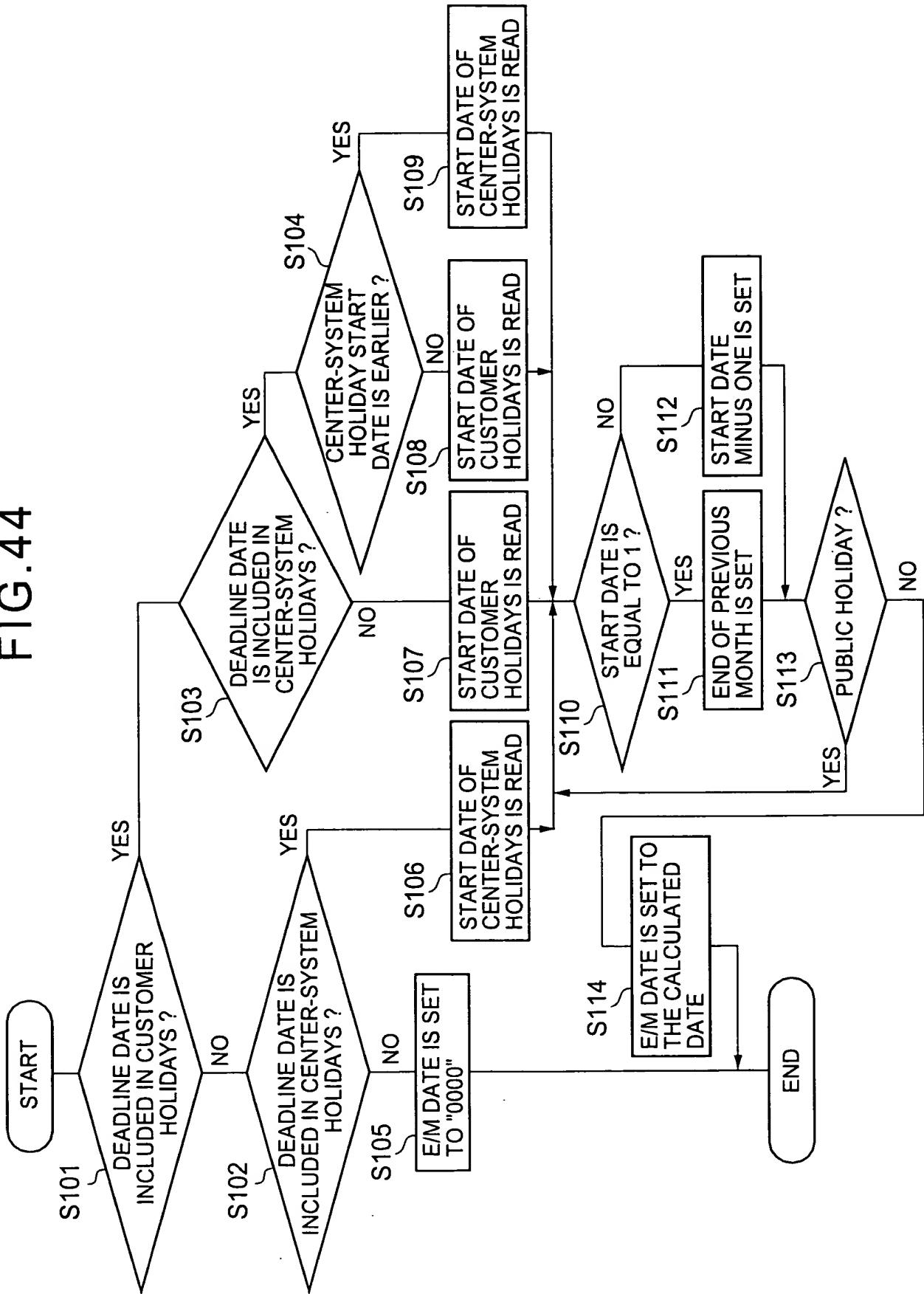


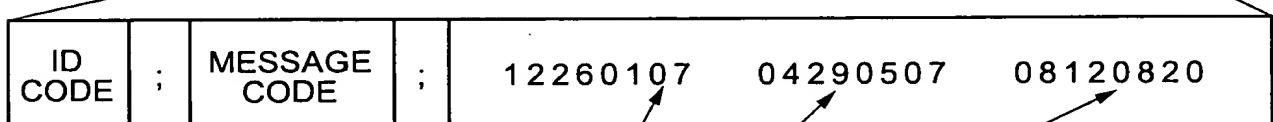
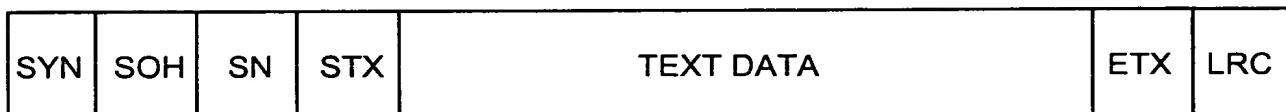
FIG.45

HOLIDAY1	START MONTH/DAY:12/26 END MONTH/DAY:01/07
HOLIDAY2	START MONTH/DAY:04/29 END MONTH/DAY:05/07
HOLIDAY3	START MONTH/DAY:08/12 END MONTH/DAY:08/20

TRANSMIT

FIG.46

DATA FORMAT OF CUSTOMER HOLIDAY DATA



HOLIDAY1 START DATE AND END DATE

HOLIDAY2 START DATE AND END DATE

HOLIDAY3 START DATE AND END DATE

FIG.47

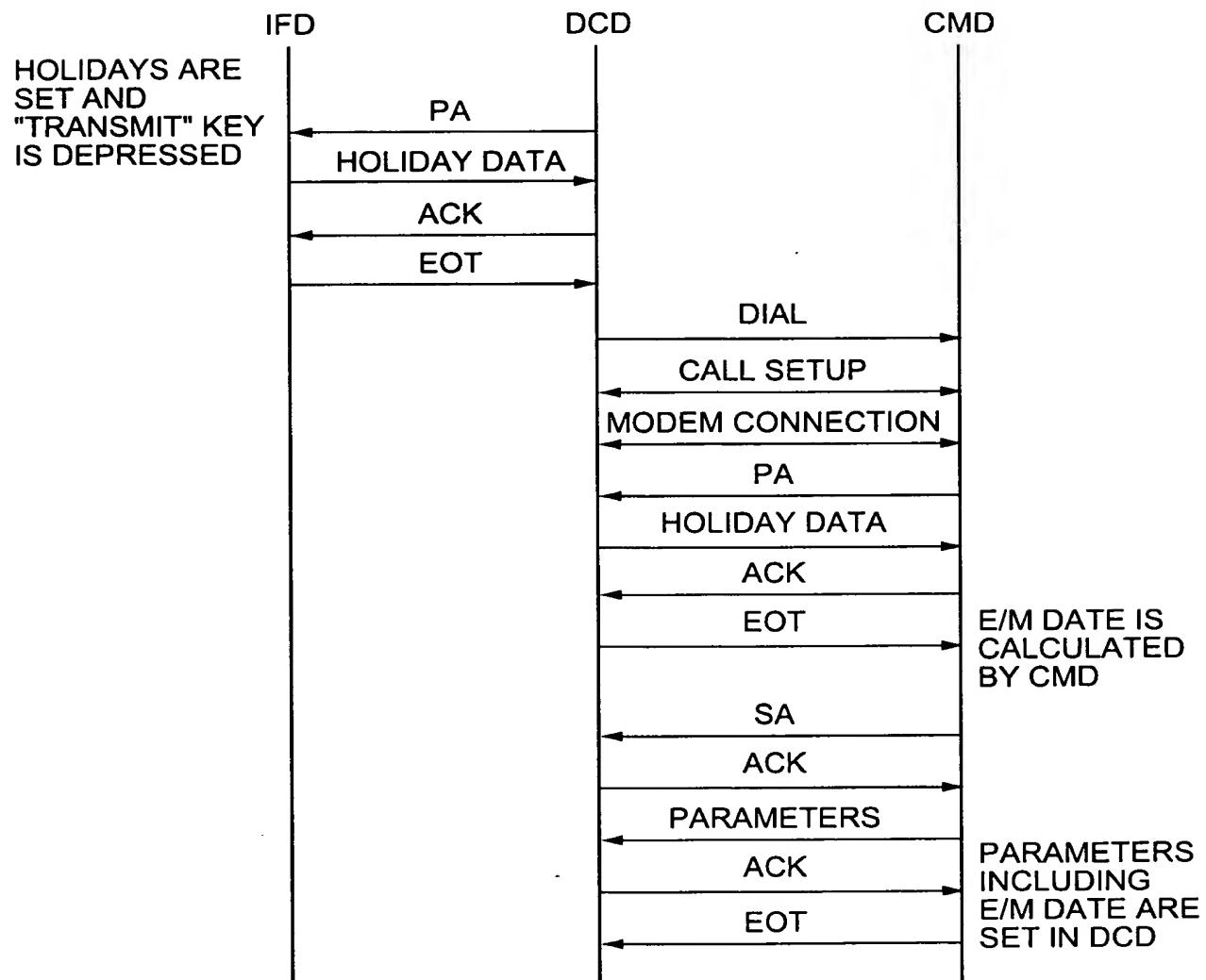


FIG.48

DATA FORMAT OF CENTER-SYSTEM HOLIDAY DATA

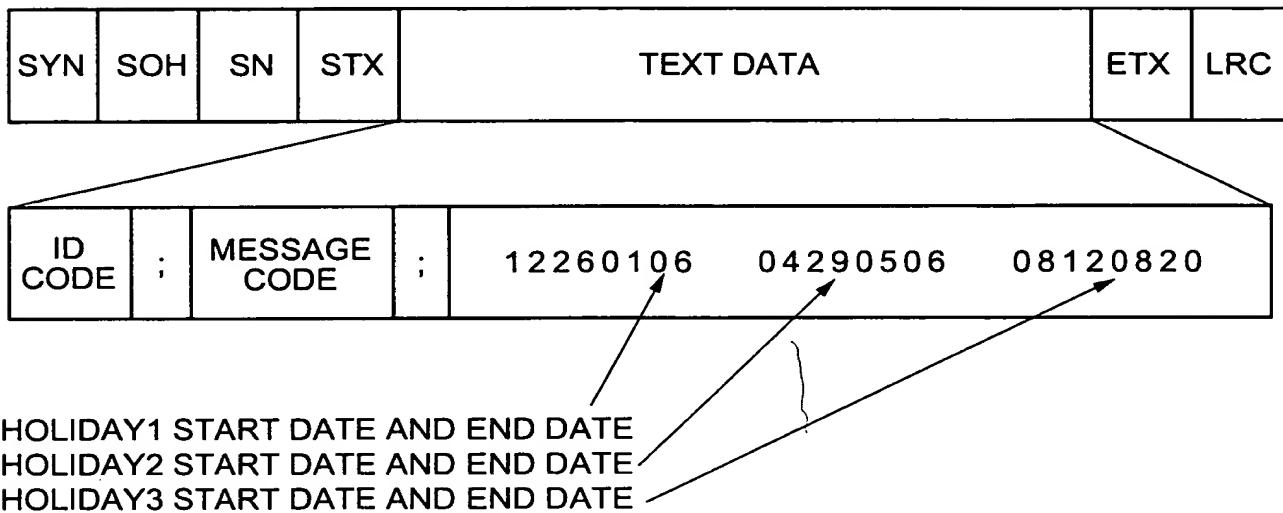


FIG.49

PARAMETER NAME	NO. OF DIGITS	REMARKS
SC/MC CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
ALARM CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
SUPPLY CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
USAGE-DATA CALL DESTINATION	20	
CALLING INTERVAL (SEC)	3	
MAX NO. OF CALLS	2	
DEVICE-CODE-0 CONVERT TABLE	17	
DEVICE-CODE-1 CONVERT TABLE	17	
DEVICE-CODE-2 CONVERT TABLE	17	
DEVICE-CODE-3 CONVERT TABLE	17	
DEVICE-CODE-4 CONVERT TABLE	17	
DEVICE-CODE-0 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-1 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-2 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-3 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-4 DEADLINE DATE	2	DAY 01-31
DEVICE-CODE-0 EARLY M DATE 1	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-0 EARLY M DATE 2	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-0 EARLY M DATE 3	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-1 EARLY M DATE 1	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-1 EARLY M DATE 2	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-1 EARLY M DATE 3	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-2 EARLY M DATE 1	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-2 EARLY M DATE 2	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-2 EARLY M DATE 3	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-3 EARLY M DATE 1	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-3 EARLY M DATE 2	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-3 EARLY M DATE 3	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-4 EARLY M DATE 1	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-4 EARLY M DATE 2	4	MONTH/DAY 0101-1231 NO USE:0000
DEVICE-CODE-4 EARLY M DATE 3	4	MONTH/DAY 0101-1231 NO USE:0000
ALARM CALL TIME	4	0000-2359
USAGE-DATA CALL TIME	4	0000-2359
USAGE-DATA RECEPTION TIME	4	0000-2359
EXCHANGE TYPE	1	1:10PPS,2:20PPS,OTHERS:PB
CENTER-SYSTEM HOLIDAY1	4	MONTH/DAY 0101-1231 NO USE:0000
CENTER-SYSTEM HOLIDAY2	4	MONTH/DAY 0101-1231 NO USE:0000
CENTER-SYSTEM HOLIDAY3	4	MONTH/DAY 0101-1231 NO USE:0000

DRAFT COPY - DRAFT COPY

FIG. 50

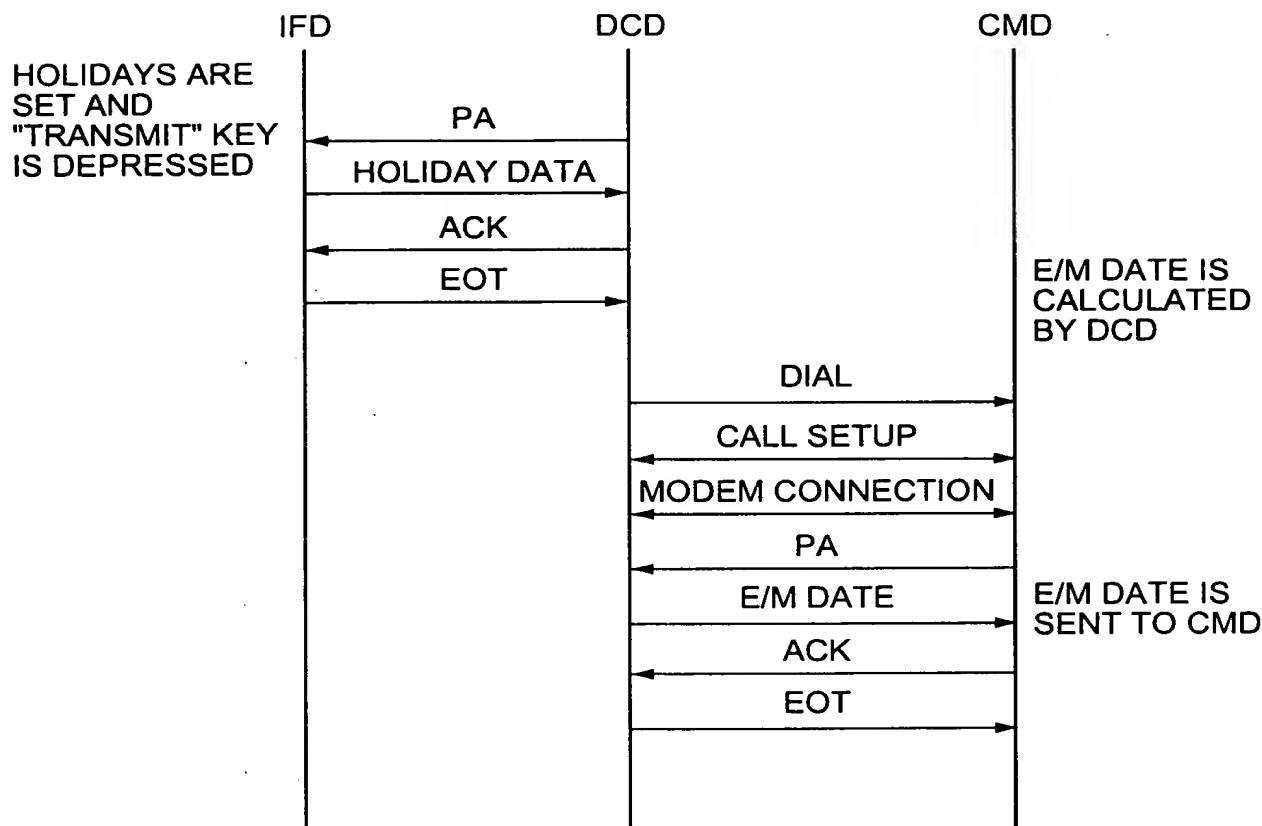


FIG. 51

